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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/785,211 | 02/24/2004 | Robert M. Lofthus | A3249Q XERZ 2 00783 | 8821 |

7590 10/25/2005

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EXAMINER

MACKEY, PATRICK HEWEY

| ART UNIT | PAPER NUMBER |
|----------|--------------|
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3651

DATE MAILED: 10/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/785,211

Applicant(s)

LOFTHUS ET AL.

Examiner

Patrick H. Mackey

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>062705</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The amendment filed 8/26/2005 has been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 5, 6, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Jackson et al. Jackson discloses a multifunction printed sheets interface system that includes plural sheet input areas (front left side of conveyor 20, front right side of conveyor 20); plural sheet outputs areas (rear left side of conveyor 20, rear right side of conveyor 20); a sheet position sensing system (40); and a sheet transporting system (20) that includes independently operable sheet transports (26) that provide variable angle driving for selectable sheet rotation and translation (see col. 2, lines 40-45).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2, 8-10, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jorg in view of Graushar. Jorg discloses a method and system that includes feeding sheets to a plurality of respective input areas (A, B, C, D) of a printed sheet interface system; transporting

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the printed sheets from the input areas to a plurality of outputs areas (F, G) with a sheet transport system, with a plurality of spaced, independently operable sheet transports (316, 416), that provide selectable merging (116), translation (116), and rotation (134); and sensing a position, with a sheet position sensing system (220) of the sheets during transporting. Jorg discloses all the limitations of the claim, but it does not disclose printing sheets on a plurality of printers.

However, Graushar discloses a similar method that includes printing sheets on a plurality of printers (see col. 4, lines 45-56) for the purpose of personalizing documents sent to customers (see col. 1, lines 10-15). It would have been obvious for a person of ordinary skill in the art at the time of the applicant's invention to modify Jorg by printing the sheets on a plurality of printers, as disclosed by Graushar, for the purpose of personalizing documents sent to customers.

6. Claims 4, 11-13, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jorg in view of Graushar as applied to claims 8 and 10 above, and further in view of Jackson et al. Jorg and Graushar, together disclose all the limitations of the claims, but they do not disclose a sheet transporting system that includes a multiplicity of variable-sheet-feeding-direction sheet transports closer to four other sheet transports than the sheet and configured for variable angle driving. However, Jackson discloses a similar device that includes a sheet transporting system (20) with a multiplicity of variable-sheet-feeding-direction sheet transports closer to four other sheet transports than the sheet and configured for variable angle driving for the purpose of modifying paper movement or orientation to nearly instantaneously correct for discrepancies in the motion state of the paper, including its position, orientation, trajectory, velocity, flexure, or curvature (see col. 2, lines 35-45). It would have been obvious for a person of ordinary skill in the art at the time of the applicant's invention to utilize a sheet transporting system with a

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multiplicity of variable-sheet-feeding-direction sheet transports (26) closer to four other sheet transports than the sheet and configured for variable angle driving for the purpose of modifying paper movement or orientation to nearly instantaneously correct for discrepancies in the motion state of the paper, including its position, orientation, trajectory, velocity, flexure, or curvature

7. Claims 1, 3, and 5-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jorg in view of Jackson et al. Jorg discloses a system that includes plural sheet input areas (A, B, C, D); a plurality of sheet outputs (F, G); a sheet position sensing system (220); and a sheet transport system that provides selectable sheet merging (116). Jorg discloses all the limitations of the claims, but it does not disclose that the sheet transporting system includes independently operable sheet transports that provide variable angle driving. However, Jackson discloses a similar device that includes independently operable sheet transports (26) that provide variable angle driving for the purpose of modifying paper movement or orientation to nearly instantaneously correct for discrepancies in the motion state of the paper, including its position, orientation, trajectory, velocity, flexure, or curvature (see col. 2, lines 35-45). It would have been obvious for a person of ordinary skill in the art at the time of the applicant's invention to modify Jorg, by utilizing a sheet transporting system that includes independently operable sheet transports that provide variable angle driving, as disclosed by Jackson, for the purpose of modifying paper movement or orientation to nearly instantaneously correct for discrepancies in the motion state of the paper, including its position, orientation, trajectory, velocity, flexure, or curvature.

Response to Arguments

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8. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection. The applicant's remarks that might also apply to the new rejections are addressed below.

9. Regarding the Jorg reference, the examiner notes that a turnover device rotates a sheet over. Additionally, the examiner notes that Jorg is not limited to receiving sheets from a sheet cutter. It can also receive sheets from a sheet applicator (individual sheets fed one at a time from a stack) (see col. 6, lines 55-60).

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

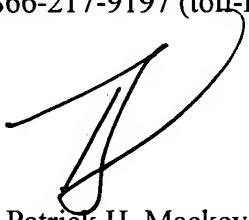
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick H. Mackey whose telephone number is (571) 272-6916.

The examiner can normally be reached on Tuesday-Friday 7:00 a.m. - 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on (571) 272-6911. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Patrick H. Mackey
Primary Examiner
Art Unit 3651

October 21, 2005